

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243 1-888-891-8332 (TDEC)

Application for Aquatic Resource Alteration Permit (ARAP) & State §401 Water Quality Permit

OFFICIAL STATE USE ONLY	Site #:			P	Permi	t #;		
Section 1. Applicant Information (individual responsible for site, signs certification below)								
Applicant Name: Ernie Napier								
Company: Atmos Energy Corporation				Signatory's Title or Position: VP Technical Services				ervices
Mailing Address: 810 Crescent Center Dr.			City: Franklin State: TN Zip: 3706		Zip: 37067			
Phone: 615-771-8300	1	Fax: 615-77	1-8302	E-mail: ernie	e.na	pier@atmose	energy.com	
Section 2. Alternate Contact/Consultant Information (a consultant is not required)					-			
Alternate Contact Name: Suzanne He	rron							
Company: Energy Land & Infrastructure				Title or Positi	ion: P	roject Manager		
Mailing Address: 1420 Donelson Pik	e, Suit	e A-12		City: Nashv	/ille		State: TN	Zip: 37217
Phone: 615-383-6300		Fax:		E-mail: suzan	nne.he	erron@eli-llc.com		
Section 3. Fee (check appropriate box and	l submit i	requisite fee w	vith application)					
■ No Fee Submitted	■ Fee	Submitted wit	h Application	A	4mou	nt Submitted:	500	
Current fee schedules for Aquatic Resource http://www.tn.gov/environment/permits/arc	e Alterat <u>ip.shtml</u>	ion Permit pro or by calling (ocessing may be (615) 532-0625.	found at the D Make checks p	Divisio payab	on of Water Reson le to "Treasurer,	irces webpage State of Tenne	at ssee",
Section 4. Project Details (fill in information	tion and	check approp	riate boxes)					
Site or Project Name: Bristol Propa	ne Sy	/stem Ga	as Line	Nearest City,	, Tow	vn or Major Land	mark: Bristo	ol, Blountville
Street Address or Location: White To	p Ro	I., SR 39	94					
County(ies): Sullivan			MS4 Jurisdic	MS4 Jurisdiction: Bristol, Sullivan Co		Latitude (dd.dddd): 36.5079		
- Odilivan				Longitude (dd.dddd): -82.2109		9		
Resource Proposed for Alteration:	stream	□ W	etland	Reservoir				
Name of Water Resource: Whitetop Cre	ek							
Brief Project Description (a more detailed of	description	on is required	under Section 8):				-
Gas line crossings								
Does the proposed activity require approva government agency? Yes No	l from th	e U.S. Army (Corps of Engine	ers, the Tennes	ssee V	alley Authority,	or any other fe	deral, state, or local
If Yes, provide the permit reference number	rs:	TN DOT						
Is the proposed activity associated with a la	nger con	mon plan of o	development?	Yes 🔳 No)			
If Yes, submit site plans and identify the lo	_	•	•	_		ent. I	Plans attached?	☐ Yes ☐ No
If applicable, indicate any other federal, state, or local permit authorizations that the overall project site (common plan of development) has obtained in the past (i.e. construction general permit coverage and/or other ARAPs):								
This project is Phases 1 and 2 of a 3 phase gas line installation.								
Section 5. Project Schedule (fill in information and check appropriate boxes)								
Start date: April 3, 2017 Estimated end date: December 31, 2018								
Is any portion of the activity complete now? The Yes In No If yes, describe the extent of the completed portion:								
								-

Application for Aquatic Resource Alteration Permit (ARAP) & State §401 Water Quality Permit

The required information in Sections 6-11 must be submitted on a separate sheet(s) and submitted in the same numbered format as presented below. If any question in not applicable, state the reason why it is not applicable.

Section	on 6. Project Description		ached	
		Yes	No	
6.1	A narrative description of the scope of the project			
6.2	USGS topographic map indicating the exact location of the project (can be a photographic copy)			
6.3	Photographs of the resource(s) proposed for alteration with location description (photo locations should be noted on map)	▣		
6.4	A narrative description of the existing stream and/or wetland characteristics including, but not limited to, dimensions (e.g., depth, length, average width), substrate and riparian vegetation			
6.5	A narrative description of the proposed stream and/or wetland characteristics including, but not limited to, dimensions (e.g., depth, length, average width), substrate and riparian vegetation			
6.6	In the case of wetlands, include a wetland delineation with delineation forms and site map denoting location of data points			
6.7	A copy of all hydrologic or jurisdictional determination documents issued for water resources on the project site			
Sectio	n 7. Project Rationale	Atta Yes	ched No	
	be the need for the proposed activity, including, but not limited to, the purpose, alternatives considered, and what will be done to or minimize impacts to streams or wetlands.			
Sectio	n 8. Technical Information	Atta Yes	iched No	
8.1	Detailed plans, specifications, blueprints, or legible sketches of present site conditions and the proposed activity. Plans must be 8.5.x 11 inches. Additional larger plans may also be submitted to aid in application review. The detailed plans should be superimposed on existing and new conditions (e.g., stream cross sections where road crossings are proposed)			
8.2	2 For both the proposed activity and compensatory mitigation, provide a discussion regarding the sequencing of events and construction methods			
8.3	Depiction and narrative on the location and type of erosion prevention and sediment control (EPSC) measures for the proposed alterations	⊡		
	n 9. Water Resources Degradation (degree of proposed impact) Note that in most cases, activities that exceed the scope of the (ions are considered greater than de minimis degradation to water quality.	General F	Permit	
My act	ivity, as proposed:			
a.	Will not cause measurable degradation to water quality			
b.	Will only cause de minimis degradation to water quality			
c.	☐ Will cause more than de minimis degradation to water quality (Complete additional sections 9-11)			
d.				
Tennes	formation and guidance on the definition of de minimis and degradation, refer to the Antidegradation Statement in Chapter 0400-4 see Water Quality Criteria Rule: https://www.tn.gov/sos/rules/0400/0400-40/0400-40-03.20131216.pdf . For more information on leneral Permits can cover, refer to the Natural Resources Unit webpage at http://www.tn.gov/environment/permits/arap.shtml			
If you	checked "c." above in Section 9, complete the following 2 sections, 10-11.			
Section	10. Detailed Alternative Analysis	Atta Yes	ched No	
10.1	Analyze all reasonable alternatives and describe the level of degradation caused by each of the feasible alternatives			

CN-1091 (Rev. 1-15) (Page 2 of 3) RDA2366

Demonstrate that the degradation associated with the preferred alternative will not violate water quality criteria for uses

designated in the receiving waters, and is necessary to accommodate important economic and social development in the area

Discuss the social and economic consequences of each alternative

10.2

10.3

Application for Aquatic Resource Alteration Permit (ARAP) & State §401 Water Quality Permit

Santin	n 11. Compensatory Mitigation			Atta	ached
Section	in 11. Compensatory Mitigation			Yes	No
11.1	A detailed discussion of the propo	sed compensatory mitigation			▣
11.2	1.2 Describe how the compensatory mitigation would result in no net loss of resource value				
11.3	11.3 Provide a detailed monitoring plan for the compensatory mitigation site				
11.4	Describe the long-term protection measures for the compensatory mitigation site (e.g., deed restrictions, conservation easement)				o
Certifi	cation and Signature				
proprie		state, federal or other public agency or	officer; from a partnership or proprietorship, take application must be signed by eithe		utive
inform false in	ation is to the best of my knowledge	e and belief, true, accurate, and compl of fine and imprisonment. As specifi	eared by me, or under my direction or supervisete. I am aware that there are significant pened in Tennessee Code Annotated Section 39-1	alties for submitti	
Ernie	Napier	VP Technical Services	/ Ilam	3-7-2017	
Printed	Name	Official Title	Signature	Date	

Submitting the form and obtaining more information Note that this form must be signed by the principal executive officer, partner or proprietor, or a ranking elected official in the case of a municipality; for details see Certification and Signature statement above. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit the completed ARAP Application form (keep a copy for your records) to the appropriate EFO for the county(ies) where the ARAP activity is located, addressed to Attention: ARAP Processing. You may also electronically submit the complete application and all associated attachments (e.g., maps, wetland delincations and narrative portions) to water.permits@tn.gov.

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett	38133-4119	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305-4316	Chattanooga	1301 Riverfront Pkwy., Ste. 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601



OFFICIAL STATE USE ONLY

Received Date:	Permit Number:	Reviewer:		Field Office:	
Fee amount paid:	T & E Aquatic Flora and Fauna:	.7	Impaired Receiving Stream:	Application Rev	riew:
Date:				Deficient	Date:
Check #:	Exceptional TN Water:			Complete	Date:





March 9, 2017

Tennessee Department of Environment and Conservation Environmental Field Office Attn: ARAP Processing 2305 Silverdale Road Johnson City, TN 37601

RE: PERMIT APPLICATION PACKAGE

ATMOS ENERGY - BRISTOL PROPANE SYSTEM GAS LINE

SULLIVAN COUNTY, TENNESSEE

Enclosed is the Aquatic Resource Alteration Permit (ARAP) application package for a gas line installation project along White Top Road and State Route 394 (SR 394) in Sullivan County. The applicant for this project is Atmos Energy Corporation, 810 Crescent Center Drive, Franklin, Tennessee 37067.

The proposed project will install new gas line within TDOT right-of-way along White Top Road and SR 394 by open cut and bore methods at the stream crossings. Seven streams will be crossed within Phase 1. All streams to be crossed in Phase 2 are already crossed by SR 394 and are piped. The stream crossings should be covered under the General Permit for Utility Line Crossings; therefore, we would like to obtain a General ARAP.

Thank you for your consideration of this application. If you have questions or need additional information please contact me at (615) 383-6300 or by email at Suzanne.Herron@eli-Ilc.com.

Sincerely,

ENERGY LAND & INFRASTRUCTURE, LLC

Suzanne B. Herron, P.E., CPESC

Enclosure



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION **ENVIRONMENTAL FIELD OFFICE**

2305 Silverdale Road Johnson City, TN 37601

(423)854-5400 STATEWIDE 1-888-891-8332 (423)854-5401

Receipt: EAC-JC-11960

Date of Receipt: 10-Mar-2017 2:27 pm

Created By: Candy Walters (BG58004)

County: Sullivan

EFO/Office: Johnson City Field Office

Received From: Suzanne Herron

Company/Affiliation: Energy Land & Infrastructure, LI

Recipient Address: 1420 Donelson Pike, Suite A-12

NASHVILLE, TN- 37217

Amount Received:

\$500.00

Method of Payment: CHECK

Check Number: 0005020

Comments: ATMOS Energy - Bristol Propane System Gas Line, White Top Road

Division	Description	TDEC Code	Quantity	Unit Price	Line Total
WPC	WPC-ARAP-\$500 Permit Application	43.340.F02	1	\$500.00	\$500.00

Receipt Total:

\$500.00

Tennessee Department of Environment and Conservation Division of Water Pollution Control Application for Aquatic Resource Alteration Permit (ARAP) Supplemental Information

Atmos Energy – Bristol Propane System Gas Line Sullivan County, Tennessee

Section 6. Project Description

Section 6.1 – Narrative Description of Project

Atmos Energy proposes to install a 6-inch gas line along White Top Road and State Route 394 (SR 394) in Sullivan County. The proposed gas line will be installed by open cut and bore. The proposed line will cross the creeks listed in the following chart and will require coverage under the General ARAP for Utility Line Crossings.

Stream	Stream Name	Lat/Long	Crossing Method	Characteristics
Stream A	Unnamed trib to Beaver Creek	36.5078/ -82.2570	Open cut	60" CMP under White Top Road leading to grassy swale, no defined channel
Stream B	Whitetop Creek	36°30.679/ -82°14.868	Open cut	30' wide box culvert under SR 394, 20' wide, 3-5' deep, forested area
Stream C	Unnamed trib to Whitetop Creek	36°30.777/ -82°14.717	Open cut	4-6' wide, 1-3' deep, cattails, not forested
Stream D	Unnamed trib to Whitetop Creek	36°30.817/ -82°14.631	Open cut	Short open section between 2 culverts (36" CMP and 42" RCP), low vegetation
Stream E	Unnamed trib to Whitetop Creek	36°30.839/ -82°14.586	Open cut	2-4' wide, 1-2' deep, Short open section between 2 culverts (18" CMP and 30" RCP), low vegetation
Stream F	Unnamed trib to Whitetop Creek	36°30.876/ -82°14.512	Open cut	3-5' wide, 1-2' deep, Short open section between 2 culverts (18" CMP and 42" CMP), low vegetation
Stream G	Unnamed trib to Whitetop Creek	36°30.434/ -82°14.694	Open cut	To go under 36" CMP
Stream K	Whitetop Creek	36°31.611/ -82°12.680	HDD Bore	8-10' wide, 1-3' deep
Stream L	Unnamed trib to Whitetop Creek	I	54" RCP	Installation to be between culvert and ground surface
Stream N	Unnamed trib to Whitetop Creek		42" CMP	Installation to be between culvert and ground surface

Stream	Stream Name	Lat/Long	Crossing Method	Characteristics
Stream Q	Unnamed trib to Whitetop Creek		42" CMP	Installation to be between culvert and ground surface
Stream R	Unnamed trib to Whitetop Creek		36" CMP	Installation to be between culvert and ground surface
Stream S	Unnamed trib to Whitetop Creek		48" CMP	Installation to be between culvert and ground surface
Stream V	Unnamed trib to Whitetop Creek		48" RCP	Installation to be between culvert and ground surface
Stream Y	Unnamed trib to Whitetop Creek		48" CMP	Installation to be between culvert and ground surface
Stream AA	Unnamed trib to Whitetop Creek		48" CMP	Installation to be between culvert and ground surface

Section 6.2 – USGS Map

The USGS Map for this project is attached.

Section 6.3 - Project Photographs

General area photographs of the project are attached.

Section 6.4 - Existing Feature Characteristics and Section 6.5 - Proposed Feature Characteristics

Descriptions of each section are shown in the chart above. Each of the streams are shown as blue line streams on the USGS map. Post-construction stream characteristics should mimic pre-construction stream characteristics.

Section 6.6 – Wetland Delineation

No wetland vegetation was observed along the stream.

Section 6.7 – Hydrologic or Jurisdictional Determination Documents

No hydrologic or jurisdictional determinations have been made on the streams crossed by the project.

Section 7. Project Rationale

The proposed gas line is being installed to provide gas service to the area.

Section 8. Technical Information

Section 8.1 - Plans

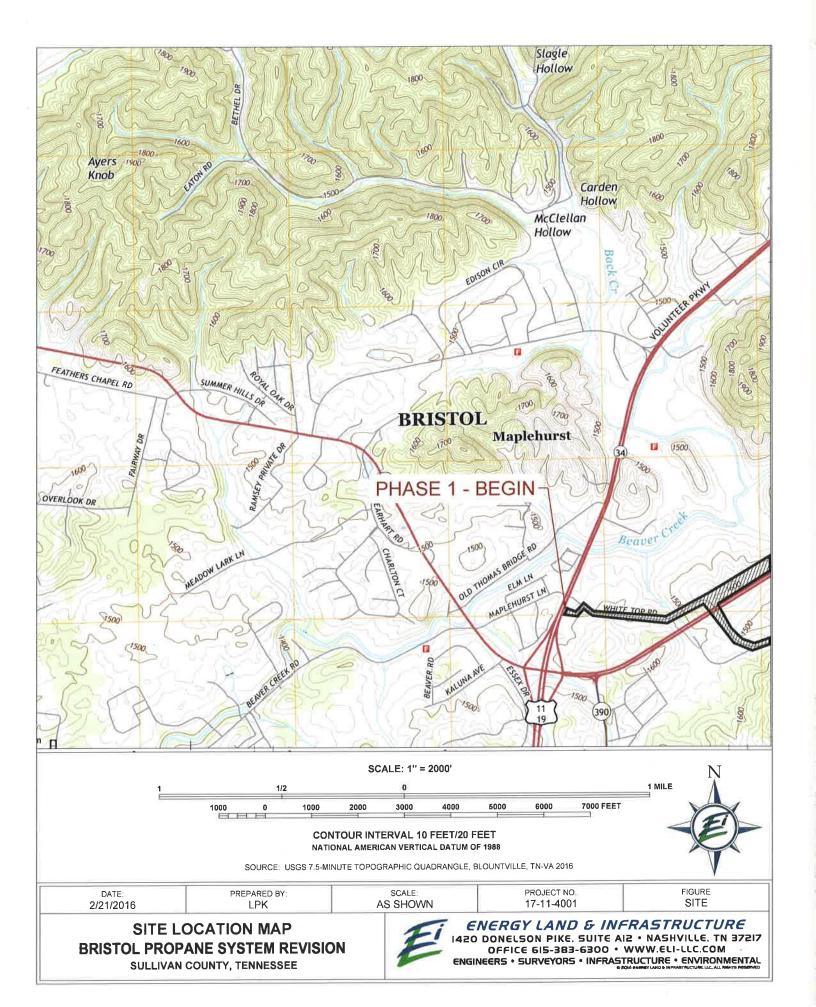
Detailed plans are attached.

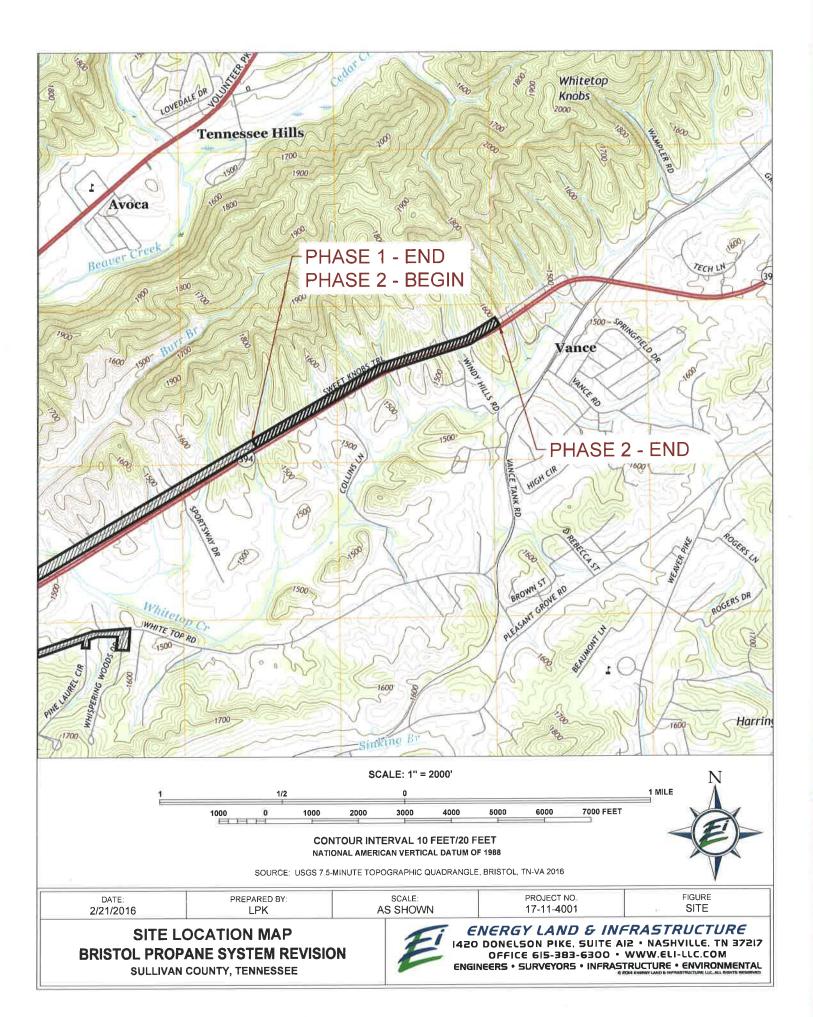
Section 8.2 – Sequencing of Events and Construction Methods

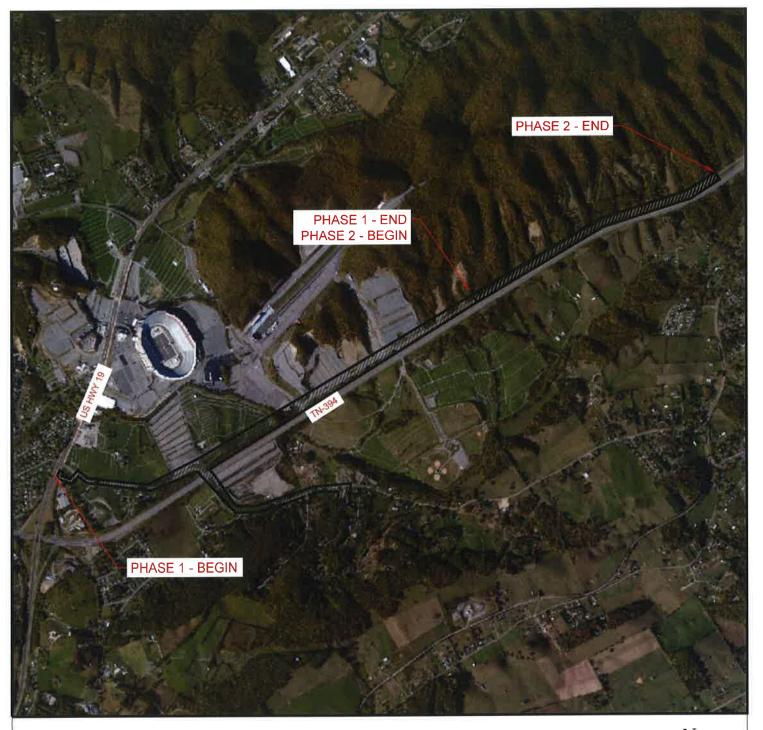
- 1. Obtain plan approval and permits.
- 2. Hold pre-construction conference.
- 3. Flag construction limits.
- 4. Install erosion control measures.
- 5. Begin clearing.
- 6. Replace or install remaining erosion control measures.
- 7. Begin installing pipe.
- 8. Completed area should be seeded within 7 days after pipe has been installed and final grading or as soon as practicable. All disturbed area shall be seeded within 14 days after work has ceased.
- 9. All disturbed area shall be stabilized with seed and straw, hydroseeding, or sod.
- 10. Remove erosion and sediment controls following final inspection and signoff from local stormwater or engineering representative.
- 11. Provide permanent vegetation.

Section 8.3 – Location and Type of EPSC Measures

Detailed Erosion and Sediment Control plans are attached.







GRAPHIC SCALE

(IN FEET)



1 inch = 2000ft.

 DATE:
 PREPARED BY:
 SCALE:
 PROJECT NO.
 FIGURE

 2/21/2017
 LPK
 AS SHOWN
 17-11-4001
 SITE

SITE LOCATION MAP BRISTOL PROPANE SYSTEM REVISION

SULLIVAN COUNTY, TENNESSEE



ENERGY LAND & INFRASTRUCTURE

1420 DONELSON PIKE, SUITE AIZ • NASHVILLE, TN 37217 OFFICE 615-383-6300 • WWW.ELI-LLC.COM ENGINEERS • SURVEYORS • INFRASTRUCTURE • ENVIRONMENTAL © EDDA ENGRIPPI LOND 10 INFRASTRUCTURE LLC. ALL RIGHTS RESERVING



Photo 1: View of Stream A from White Top Road looking north. A 60" CMP under White Top Road drains the south side of the road across the property to the north to a grassy swale. A defined channel to the north drains to Beaver Creek.



Photo 2: View of Stream B from SR 394 looking northwest. The proposed gas line will cross below the 30' wide box culvert under SR 394 and will cross the channel.

The area was not accessible due to fences.



Photo 3: View of Stream C from the frontage road looking southeast. At this location, the proposed gas line will be between the stream and the fence.



Photo 4: View of the general area of Stream D from the frontage road looking southeast. The proposed gas line will be installed in the short open section between the 42" RCP under SR 394 and the 36" CMP under the frontage road.



Photo 5: View of Stream E from the frontage road looking southeast. The proposed gas line will be installed in the short open section between the 30" RCP under SR 394 and the 18" CMP under the frontage road.



Photo 6: View of Stream F from the frontage road looking southeast. The proposed gas line will be installed in the short open section between the 42" CMP under SR 394 and the 18" CMP under the frontage road.



Photo 7: View of Stream G as it transitions between pipes. The proposed gas line will go under a 36" CMPalong White Top Road.



Photo 8: View of Stream K as it flows under Sweet Knobs Trail. This crossing will be done by HDD bore.



Photo 9: Catch basin along SR 394 at Stream Q. The gas line will be installed between the subsurface drainage pipe and the ground surface near the rightof-way fence.

Suzanne Herron

From:

Rob Todd < Rob.Todd@tn.gov>

Sent:

Thursday, March 09, 2017 2:35 PM

To:

Suzanne Herron; Steven_alexander@fws.gov; Stephanie.Ann Williams

Subject:

RE: T&E Coordination: Atmos - Bristol Propane System Revision

Suzanne:

Thank you for the additional information. The Tennessee Wildlife Resources Agency has reviewed the information that you provided regarding the proposed Bristol Propane System Revision project and we do not anticipate adverse impacts to state listed species under our authority due to the project as proposed; provided that best management practices to address erosion and sediment are implemented and maintained during construction activities.

Thank you for the opportunity to review and comment on this proposed project. If I may be of further assistance, please contact me.

Robert Todd Fish & Wildlife Environmentalist Tennessee Wildlife Resources Agency Ellington Agricultural Center P.O. Box 40747 Nashville, TN 37204

Office: 615-781-6572 Cell: 931-881-8240 Fax: 615-781-6667 Email: rob.todd@tn.gov



From: Suzanne Herron [mailto:Suzanne.Herron@eli-llc.com]

Sent: Thursday, March 09, 2017 12:52 PM

To: Rob Todd; <u>Steven_alexander@fws.gov</u>; Stephanie.Ann Williams **Subject:** RE: T&E Coordination: Atmos - Bristol Propane System Revision

Rob -

Good question. You are correct about only looking at the green, blue and red lines. The yellow lines are the property lines and do not need to be reviewed. I have attached the ARAP application that has the GPS coordinates on page 5.

Let me know of other questions.

Suzanne

Project Manager Energy Land & Infrastructure, LLC (PLLC in NC)

1420 Donelson Pike, Suite A-12 Nashville, TN 37217 (615) 383-6300 Office (615) 477-8286 Cell Suzanne.Herron@eli-llc.com

From: Rob Todd [mailto:Rob.Todd@tn.gov]
Sent: Thursday, March 09, 2017 11:46 AM

To: Suzanne Herron; <u>Steven alexander@fws.gov</u>; Stephanie.Ann Williams **Subject:** RE: T&E Coordination: Atmos - Bristol Propane System Revision

Suzanne:

Are you asking us to review only the main lines that are colored green, blue, and red in the kmz file figure or are we to review the yellow laterals as well? Do you have a listing of stream crossings with GPS coordinates and proposed crossing methods?

Robert Todd Fish & Wildlife Environmentalist Tennessee Wildlife Resources Agency Ellington Agricultural Center P.O. Box 40747 Nashville, TN 37204

Office: 615-781-6572 Ceil: 931-881-8240 Fax: 615-781-6667 Email: rob.todd@tn.gov



From: Suzanne Herron [mailto:Suzanne.Herron@eli-llc.com]

Sent: Wednesday, March 01, 2017 10:51 AM

To: Steven alexander@fws.gov; Stephanie.Ann Williams; Rob Todd

Cc: Suzanne Herron

Subject: T&E Coordination: Atmos - Bristol Propane System Revision

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. ***

Good morning all!

I am working with Atmos Energy on a proposed gas line project and I need to coordinate regarding T&E species and any restrictions.

The proposed pipeline will be installed using open cut and HDD methods. A .kmz of the complete project is attached. The .kmz shows the full 3 phases of the project. Currently, we are working on Phases 1 and 2. We do expect to remove trees as part of this project.

The coordinates for the beginning of the project are:

36.5079, -82.2646

The coordinates for the end of phase 2 are: 36.5261, -82.2109

Please let me know if additional information is required for your determination.

Thanks!

Suzanne

Suzanne Herron, P.E., CPESC

Project Manager

Energy Land & Infrastructure, LLC (PLLC in NC)

1420 Donelson Pike, Suite A-12 Nashville, TN 37217 (615) 383-6300 Office (615) 477-8286 Cell Suzanne.Herron@eli-llc.com

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